

ICAR REFRESHER-2006 (VETERINARY SCIENCE)

REFRESH YOUR MEMORY.....

- * Bacterial disease in which Pasteur's vaccine is used- [Anthrax](#)
- * 'Foot rot' in sheep is caused by - [Bacterioides nodosus](#)
- * Duck Plague is the synonym for -[Duck Viral Enteritis](#)
- * 'Para anthrax' in pigs caused by- [Cl. septicum](#)
- * The indistinct margins of a radiograph due to a large focal spot of X-ray beam -[Penumbra](#).
- * The optimum temperature of developing and fixing solutions in radiography is -[68F](#)
- * Avian influenza virus has [8](#) gene segments
- * M. leprae can be cultivated in vivo only in- [Armadillo](#)
- * State of unresponsiveness towards an antigen is - [Anergy](#)
- * The cholinergic drug that cannot be hydrolyzed by AchE is -[Carbachol](#)
- * The penetrating power of X-ray beam depends on - [kvp](#)
- * Anaesthesia produced by combination of drugs is termed as-[Balanced anaesthesia](#)
- * Antigen-Antibody complexes present in dendrites of Dendritic cells- [Iccosomes](#)
- * BCG is an attenuated form of - [Mycobacterium bovis](#)
- * Vitamin C is used as an antidote to ---[Nitrate](#)-----poisoning
- * Oseltamivir is the drug of choice against- [Bird flu in humans](#)
- * The species of animal in which Ivermectin crosses the BBB- [Equines](#)

- * The only anaesthetic agent known to be carcinogenic- [Fluoroxene](#)
- * The drugs contraindicated in parakeets & cats respectively are- [Procaine & Morphine](#)
- * The species most sensitive to the ill-effects of xylazine - [Cattle](#)
- * A pantropic virus that commonly affects Canines- [Canine distemper virus](#)
- * Symplasma stage in submucosa is seen in- [Johnes' Disease](#)
- * Oestrogenic mycotoxin causing reproductive disorders in swine is- [Zearalenone](#)
- * 'Blue eye' or Rubarth's Disease is the synonym for- [Infectious Canine Hepatitis](#)
- * Which is the most potent opiate analgesic? [Carfentanil](#)
- * Name a benzodiazepine antagonist- [Flumazenil](#)
- * Ketamine is contraindicated in head injuries as it increases -[Intra cranial pressure](#)
- * The subtype of Avian flu virus causing human casualties around the world- [H5N1](#)
- * Mad cow disease is caused by- [Prions](#)
- * Cold enrichment procedure is done for the isolation of - [Listeria](#)
- * 'J' chain is present in immunoglobulins- [IgA and IgM](#)
- * In the body, Chloral hydrate is converted to - [Trichloroethanol](#)
- * Name one anaesthetic agent which is steroid in nature- [Althesin](#)
- * Dose of Anthrax vaccine- [1ml s/c](#)
- * Anaphylatoxins are- [C3a and C5a](#)
- * The specific antidote of Morphine is- [Nalorphine](#)
- * Dunkop (pulmonary) and Dikkop (cardiac) are two forms of - [African Horse Sickness](#)
- * Wire loop lesions in the glomerular basement membrane seen in- [SLE](#)
- * The drug used to stabilize mast cells- [Cromolyn sodium](#)
- * [Hyaluronidase](#)-- enzyme used with local anaesthetics to promote its diffusion and absorption

- * Milbemycin oxime is obtained from-*Streptomyces hygroscopicus*
- * Name a suture material that glows in darkness easy to handle in poor light- [Flurofil](#)
- * Cardinal Signs of Inflammation was propounded by- [Cornelius Celsus](#)
- * FMD virus multiplies in the -----[Str.spinosum](#)----- layer of epidermis
- * Father of Immunology is- [Edward Jenner](#)
- * Lamsiekte in cattle and sheep is caused by - [Cl.botulinum type D](#).
- * Vaccine strain of B.anthraxis is - [Aviulent and Non capsulated](#)
- * Monsell's suture technique is used in - [Enteroanastomosis](#)
- * Ethylene oxide is a gaseous agent used for sterilization kills microorganisms by-[Alkylation](#)..
- * VitC is necessary for hydroxylation of proline & lysine in synthesis of -[Collagen](#)
- * 'Bomb burst' or 'Umbrella like' colonies are characteristic of - [Listeria](#)
- * Influenza virus is typed based on [Matrix](#) and [Nucleocapsid](#) antigen
- * The conversion of DHFA to THFA is blocked by- [Trimethoprim](#)
- * Examples of pencillinase resistant pencillins- [Methicillin and Cloxacillin](#)
- * First immunoglobulin to be synthesized in Neonates- [IgM](#).
- * Abortion storms in sheep is caused by- [Campylobacter foetus](#)
- * Vaccine strain used for prophylaxis of IBD infection-[Georgia](#)
- * Which is the only benzimidazole drug that wont inhibit Fumarate reductase- [Mebendazole](#)
- * Name an anthelminthic which was previously used to treat human gout- [Piperazine](#)
- * The experimental animal used for FMD research is - [Guinea pig](#)
- * The no: of capsomers in Adenoviruses is- [252](#)
- * The source of Vero cell line is - [African Green Monkey \(Kidney\)](#)
- * Heat resistant ability of sporulated bacterium is due to the compound-[Ca dipicholinate](#)

- * The generation of monoclonal antibodies involves-[Salvage pathway](#)
- * Antibiotic which can also function as an anthelmintic agent is- [Hygromycin B](#)
- * Ivermectin toxicity can be reversed by using - [Picrotoxin](#)
- * Cucurbitin, an active principle in Pumpkin seed is used for the treatment for-[Cestodiasis](#)
- * Name a live vaccine previously used against rabies- [Flury's LEP & HEP](#)
- * Periarticular lymphoid sheath (PALS) is populated by T lymphocytes are seen in-[Spleen](#)
- * Habel's testing (mouse test) is done for the diagnostic assessment of- [Rabies](#)
- * Most immunogenic viral polypeptide of FMD virus is - [VP1](#)
- * Rabbits show genetic tolerance towards- [Atropine](#)
- * The diuretic that cannot be given along with aminoglycoside antibiotics- [Furosemide](#)
- * The antibiotic Gentamicin is obtained from- [Micromonosporum purpureum](#)
- * Ochratoxin primarily causing renal impairment is produced by- [Aspergillus ochraceus](#)
- * Name the smallest animal virus- [Porcine circovirus \(17-20nm\)](#)., FMDV is of 27-30nm size.
- * Pyometra in bitches is caused by -[E.coli](#)
- * Strawberry foot rot is caused by-[Dermatophilus congolensis](#)
- * Drug of choice for mycoplasmosis- [Tylosin](#)
- * 'Tennis racket' shaped spores are present in- [Cl. chauvoei](#)
- * Psittacosis or Ornithosis in birds is caused by- [Chlamydophila psittaci](#)
- * The proton pump inhibitor used to treat Zollinger-Ellison syndrome-[Omeprazole](#)
- * Rabies virus (bullet shaped) belongs to the genus- [Lyssa virus](#)
- * 'Bull Nose' in pigs is caused by- [Fusobacterium necrophorus](#)
- * DNA virus that codes for reverse transcriptase enzyme- [Hepadna virus](#)
- * Chronic Respiratory Disease in birds is caused by - [Mycoplasma gallisepticum](#)

- * Immediate precursor of all sex steroids- [Pregnenalone](#)
- * In avian tuberculosis the lesions are confined to - [GI tract](#)
- * Name a commonly used AChE reactivator- [Pralidoxime](#).
- * Piperonyl butoxide is used as a synergist along with -[Pyrethroids](#)
- * HVT is the vaccine strain used against- [Marek's Disease](#)
- * In *B. abortus*, the ratio between LPS antigens A and M is - [20:1](#)
- * Kume and Page Scheme is used for the classification of- [Haemophilus](#)
- * Reverse Genetics is nowadays used for the production of vaccine strains of - [Avian flu virus](#)
- * Drug of choice against Theileriosis is -[Buparvaquone](#)
- * With H&E staining the calcified tissue appears -[Blue](#)
- * The toxic level of Aflatoxin in ducklings is- [0.03ppm](#)
- * Summer Mastitis in cattle is caused by -[C. pyogenes](#)
- * Heart Water disease is caused by- [Cowdria ruminantium](#)
- * EMJH medium is commonly used for the cultivation of -[Leptospira](#)
- * Hoti' s test is used for detecting [Str. agalactiae](#) mastitis
- * Infectious Bulbar Paralysis is the synonym for- [Psuedorabies](#)
- * Sulphonamides are metabolized by [acetylation](#) in ruminants and [glucuronidation](#) in canines.
- * Scythe shaped spleen is seen in -[Horses](#)
- * The most important symptom of anthrax in dogs is -[Gastroenteritis](#).
- * Braxy in sheep is caused by -[Cl. septicum](#).
- * The microbes that have the ability to survive pasteurization temp is -[Listeria and Coxiella](#)
- * Teichoic acid is present in the cell wall of - [Gram + bacteria](#)
- * Route of inoculation in chicken embryos is [intravenous](#) for Blue tongue virus

- * 'Darling disease' is caused by - *Histoplasma*
- * New Jersey, Indiana and Trinidad are strains of - *Vesicular stomatitis virus*
- * Diene staining is used for - *Mycoplasma*
- * *Aspergillus flavus* in SDA produces-*Yellowish green colonies*
- * Cork screw motility is shown by -*Campylobacter*
- * Turkey coryza which is highly contagious is caused by - *Bordetella avium*
- * Castanida and Machiavello staining are employed for detecting- *Chlamydia*
- * The antibodies used against the Rh antigen to prevent Erythroblastosis foetalis- *Rhogam*
- * The immunoglobulin known as 'Reagin' - *IgE*
- * Macrophages present in Kidney are known as- *Mesangial cells*
- * Interleukin that suppresses the immune response is - *IL-10*
- * Etiological agent of silage disease is – *Listeria*.
- * Smallest living organism of individual existence- *Mycoplasma*
- * *Bacillus anthracis* have medusa head like colonies in -*Nutrient agar*
- * *Clostridium perfringens* type A in animals causes- *Gas gangrene*
- * The class of immunoglobulin that first appears in primary immune response- *IgM*
- * Polypeptide chain called secretory component is present in- *IgA*
- * Docking in dogs can predispose to a condition called- *Perineal Hernia*
- * Hoflund's syndrome is the synonym for- *Vagal indigestion*
- * Vitamin K dependent clotting factors are- *2,7,9 and 10*.
- * Limber neck in poultry is caused by- *Clostridium botulinum* type C
- * The amino acid tryptophan act as growth promoter for the microbe- *Erysepelothrix*
- * The most potent Aflatoxin is- *B1*

- * The cytolytic product of CTL cells that forms transmembrane pores in target cells- [Perforins](#)
- * Autoimmune disease in which Ig's are formed against Ach receptors- [Myasthenia gravis](#)
- * World's first veterinary school in - [1762, Lyons, Paris](#)
- * The dog breed that has genetic predisposition for skin tumor- [Boxer](#)
- * Gavard's muscle is the synonym of -[Int.obl. muscle layer of stomach.](#)
- * Ventral bending (concave) of the spinal column is called- [Lordosis](#)
- * A and M antigens are absent in- [B.canis & B.ovis](#)
- * Foothill abortion / BEA in cattle is caused by- [Chlamydophila psittaci](#)
- * The antibacterial system naturally present in milk is- [Lactoperoxidase system](#)
- * 'Marsupialization' in bitches is done usually to treat- [Pyometra](#)
- * Dose of Ivermectin is – [200 micrograms/Kg body weight](#)
- * The breed of cattle which has strong predisposition for Eye Cancer- [Hereford](#)
- * Male dog urinates like bitch in - [Cystitis](#)
- * Knott test is done to detect [Dirofilariosis](#) in dogs
- * Half life of IgG is - [20-21 days](#)
- * Benign tumor of gingiva is called - [Epulis](#)
- * The drug used to contract gall bladder (cholecystokinetic)- [Ceruletide](#)
- * The type of paralysis produced by the drug piperazine on worms is – [flaccid](#)
- * 'Cart wheel' shape chromatin is seen – [Plasma cells](#)
- * The most abundant buffer system in plasma- [bicarbonate buffer](#)
- * The smallest animal cell has a diameter of – [2 microns](#)
- * The Fc fragment of Ig's can be recovered by digestion with the enzyme- [Papain](#)
- * Most common respiratory pathogen in canines - [Bordetella bronchiseptica](#) (kennel cough)

- * Rabbit ileal loop assay is commonly done for the detection of - *ET E.coli*
- * Haemo-lymphnodes are commonly seen in - *Ruminants*
- * Clonal selection theory of antibody production was proposed by- *Burnet*
- * Biphasic fever in dogs is indicative of - *Canine distemper*
- * Ramstedt's surgical procedure is performed to correct- *Pyloric stenosis*
- * The immediate precursor of thrombocytes are- *Megakaryocytes*
- * Rouleaux formation in blood smear is a common finding in – *Felines*
- * Substance required for platelet aggregation is – *Thromboxane*
- * The interleukin commonly referred as chemokine is - *IL-8*
- * Rectal pinch test is done for the diagnosis of - *Johne' s disease*
- * Surgical cat gut is often sterilized by- *Isopropyl alcohol or ethylene oxide*
- * Giant kidney worm of Dogs is - *Diectophyme renale*
- * The sedimentation coefficient of IgG is 7S and IgM is 19S
- * Principal metabolic pathway in RBC is- *Glycolysis*
- * Tyzzer's disease in foals and lab animals is caused by – *Bacillus piliformis*
- * Avian spirochetosis is caused by – *Borrelia anserina*
- * Colopexy is used to treat- *Recurrent rectal prolapse*
- * Mouse ascites method is used to production of - *Monoclonal antibodies*
- * The dog breed having genetic predisposition to cardiac hypertrophy- *Grey hound*
- * Suture technique used for uterine stump closure- *Parker kerr method*
- * In humans MHC is referred to as HLA complex whereas in mice it is H-2 complex
- * 'Pape shaped' abdomen is diagnostic of – *Vagus Indigestion*
- * Tenesmus followed by bloody dysentery in calves is characteristic of – *Eimeria zuernii*

- * The coccidial organism commonly found in felines and canines – *Isospora* (*Eimeria* absent)
- * ‘Slime balls’ ie., cercarial aggregation seen in- *Dicrocoelium* infection.
- * Grunt on applying pressure on xiphoid region in cattle is indicative of- TRP
- * Salmon poisoning in dogs caused by -*Neorickettsia helmintheca*
- * Antibody having least half life is - IgE
- * Genetically mutant mice lacking NK cells is called- Biege (Athymic mice-‘Nude’)
- * Salivary cyst found in sublingual duct is- *Ranula*
- * Membrane bound IgM is a - *Monomer*
- * Class II MHC restricted cells are- *T helper cells*
- * Lyme disease is caused by – *Spirochete, Borrelia burgdoeferi*, (IH- Ixodes)
- * Antidote for warfarin toxicity is – *Vitamin K*
- * The drug that intensifies the toxic effects of Warfarin is – *Phenyl Butazone*
- * The amino acid which is deficient in cats is - *Taurine*
- * Complement activation is predominantly mediated by - *IgM*
- * The compound used as gastric sedative in dogs is - *Chloretone*
- * The receptor for co-stimulating B7 molecules on APC is- *CD28*
- * Enteroplication is the surgical technique to correct- *Intussusception*
- * The antibody that can exist as monomer, dimer, trimer and tetramer- *IgA*.
- * Insulin like growth factor-I is also called as – *Somatomedins*
- * The diuretic with Aldosterone antagonistic action is – *Spironolactone*
- * The drug used to experimentally induce diabetes in dogs- *Alloxan*
- * Allopurinol is the drug of choice for the treatment of – *Gout*
- * In passive HA, chemical used to coat antigens in RBC- *Tannic acid or chromium chloride*.

- * Infectious RNA molecule of low molecular weight comes under the category- [Viroids](#)
- * 'Pink eye' is caused by [Moraxella bovis](#) and 'Summer pink eye' is caused by [IBR virus](#)
- * 'Dew drop colonies' and satellite phenomenon is exhibited by- [Haemophilus](#)
- * 9R is the vaccine strain of - [Salmonella Gallinarum](#)
- * Glaucoma, a condition of increased intra ocular pressure is treated using- [Acetazolamide](#)
- * Canrenone is the metabolite of – [Spironolactone](#)
- * Kanagawa reaction is shown by – [Vibrio parahaemolyticum](#)
- * SMEDI in pigs is caused by – [Parvo Virus](#)
- * White Spotted kidney is a sequelae to – [Leptospirosis and E.coli infections](#)
- * Infarcts in kidney of Swine is characteristic of – [Erysipelas](#)
- * In GI tract, the antigen transport is carried out by specialized cells called- 'M' cells
- * Infectious protein particles causing Scrapie in sheep are called- [Prions](#)
- * The penicillin which is effective against pseudomonas infection- [Carbenicillin](#)
- * Burton's line in gums is indicative of - [Lead poisoning](#)
- * The drug that can replace Ivermectin in sensitive dogs- [Milbemycin oxime](#)
- * Jaagsiekte or 'Driving Sickness' in sheeps is caused by [Retro virus](#)
- * Jaagsiekte is [Pulmonary adenomatosis](#) and Visna-Maedi (Retro) is [Progressive pneumonia](#)
- * Farmer's Lung in cattle is caused by - [Micropolyspora faeni](#)
- * The virus having a unique double capsid- [Reovirus](#)
- * Viral etiology of neoplasms were first reported by- [Ellerman and Bang](#)
- * The group specific antigen of ALV which is commonly used for COFAL test is -p27
- * Recombinant DNA technology was first developed by- [Cohen and Boyer](#)
- * Ephemeral fever (3 day sickness) is caused by - [Rhabdovirus](#)

- * Facial Eczema in cattle is caused by [Pithomyces chartarum](#) (fungus with toxin sporidesmin)
- * Gall Sickness is the synonym for- [Anaplasmosis](#)
- * Antigenic variation in avian influenza virus is largely due to- [Genetic Shift](#)
- * MAB technique for producing monoclonal Ig's was devised by- [Kohler and Milstein](#)
- * Bence Jones proteins (light chains of Ig) are present in urine in -[Multiple myeloma](#)
- * Rose-Waaler test is used for the detection of -[Rheumatoid factor](#) (IgM)
- * The dose of Heparin used as an anticoagulant is- [10-20 IU/ml](#)
- * The media used to select the myeloma cells in MAB technique is- [HAT medium](#)
- * The site present in an antibody to which an antigen binds is called- [Paratope](#)
- * The vector for Reoviral Blue tongue in sheeps is- [Culicoides spp](#)
- * 'Pizzle rot' (Ovine Posthitis) in sheeps is caused by- [Corynebacterium renale](#)
- * 'Gid', 'Sturdy' or 'Staggers' is caused by-[Coenurus cerebralis](#) (T. multiceps)
- * The most commonly used serological test ELISA was developed by- [Engvall and Perlman](#)
- * The gene for virulence in ND virus and AI virus are-[Fusion gene and HA gene](#) (respectively)
- * 'Tigroid' heart in calves is characteristic of- [FMD](#)
- * Vascularization of Cornea is known as - [Pannus](#)
- * The lesion in eyes of horses due to leptospiral infection - [Periodic Ophthalmia](#)
- * Blue eye is the synonym for- [Infectious Canine Hepatitis](#) (adenovirus)
- * 'Hot Spot' (pyotraumatic dermatitis) is caused by- [Staphylococcus aureus & S. intermedius.](#)
- * The interleukin often referred to as B cell growth factor is- [IL-6](#)
- * FMD virus belongs to the genus- [Aphthovirus](#)
- * 'Dropped Sole' in horses is a condition due to- [Chronic Laminitis](#)
- * Feline pan leucopenia is caused by- [Parvo virus](#)

- * Avian Influenza is caused by Influenza A virus of the family- *Orthomyxoviridae*
- * The principal source of Interferon-beta is - **Fibroblasts**
- * SAT-1, 2 and 3 are types of FMDV originated from- **Africa**
- * The interleukin responsible for class switching of IgM to IgG is - **IL-4**
- * The animal species that serves as mixing vessel for Avian and Mammalian flu is – **Pig**
- * Disinfectant of choice against Anthrax bacilli- **Gluteraldehyde (2%)**
- * HVT, the vaccine strain used against MDV (serotype I) belongs to- **serotype III**
- * In birds, *Avulavirus* is the causative agent of - **Newcastle disease**
- * The cell surface marker of memory T cells is- **CD45RO**
- * In ALV infection, the tumor development is due to activation of oncogene called- **c-myc**
- * Disinfectant of choice against FMD virus- **Sodium Carbonate (4%)**
- * ‘Staphylorrhaphy’ and ‘Uranoplasty’ are techniques used to correct- **Cleft palate**
- * ‘Negri bodies’ for diagnosis of rabies can be detected using- **Seller' s stain**
- * Malignant tumor of mesenchymal cells is referred as - **Sarcoma**

Courtesy:

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