Cancer Screening and Directed Chemotherapy

Putting your practice at the forefront of cancer care

Be one of the first to offer this landmark service

PetScreen
Detecting and Treating Cancer
Introducing the PetScreen Veterinary Cancer Programme

The PetScreen Veterinary Cancer Programme is the first of its kind. Combining cancer screening with treatment optimisation, to select the most effective chemotherapy protocol for individual patients, PetScreen works to help you fight cancer in your patients.

New opportunities for your practice, new hope for your patients

We’re all aware of how important it is to spot cancers at an early stage, and we’re getting used to the idea of cancer screening in humans to help minimise the impact of cancer and improve quality of life. Unfortunately, despite the knowledge that certain breeds are particularly prone to the disease, it’s always been difficult to offer our veterinary patients the same screening safeguards.

The good news is, that’s all changed. At PetScreen we’ve adapted some of the most advanced human cancer screening techniques to make them suitable for pets.

Applying the latest technology to screen for cancer in pets

Our groundbreaking Veterinary Cancer Screening service is based on advanced proteomic technology, which looks for characteristic patterns of protein markers in serum samples. The importance of proteomics is already recognised in the United States by the Food and Drug Administration. Unlike conventional blood tests that rely only on single markers, it looks for multiple protein markers (known as Biomarkers), enabling far more reliable disease detection at an early, treatable stage.

Unlike other tests, proteomics also enables retrospective analysis, so data from every sample taken can be kept and built into a life-long record of your patient’s health. In the future, we also intend to add other diseases to the screening programme, making it an increasingly valuable resource for you.

An integrated programme of veterinary cancer care

The proteomic cancer screen forms an integral part of the PetScreen Veterinary Cancer Programme. We provide support to your practice and patients (through our website, www.pet-screen.com) on cancer awareness and treatment. If a malignancy is detected, our Directed Chemotherapy Assay service (DCA) can help you establish the most effective treatment for each individual patient. The DCA works in a similar way to a microbial antibiotic sensitivity test. Cells from a tumour biopsy are grown in our laboratory with a range of different chemotherapy drugs, enabling sensitivity or resistance to be assessed prior to beginning treatment.

Key benefits

Veterinary cancer screening brings benefits for your practice, your patients and their owners. By offering it you can place yourself at the forefront of veterinary cancer care, building on your reputation as a forward-thinking practice. It also:

- Allows you to provide specialist care for high-risk breeds
- Provides a new test to add to your pet wellness programmes
- Gives owners peace of mind
- Provides a unique surveillance tool, helping with early detection

The DCA service offers individualised treatment for your patients, helping you to offer them the care they deserve. It also:

- Tests up to eight different drugs or combinations against a single biopsy
- Highlights resistance from the outset
- Helps you identify which treatments are most likely to be successful
Directed Chemotherapy

In a similar way to a microbial antibiotic sensitivity test:
- Advanced cell culture techniques are used to grow malignant cells from a tumour biopsy
- The cells are cultured with chemotherapy drugs and the sensitivity or resistance is measured
- Depending on the nature of the malignancy, up to eight different drugs or combinations are tested
- We’ll send you the results in seven days

Cancer screening

We’ve developed our cancer screening service to be as convenient for you as possible:
- Take 1 ml of venous blood from the patient and transfer it to a serum gel tube
- Let the blood clot for 30 minutes at room temperature
- Centrifuge and place the whole tube into a refrigerator
- Send to PetScreen through the mail
- We’ll get the results to you in about ten working days

Further Information

If you would like more information about offering PetScreen’s Veterinary Cancer Programme, please call us free on 0800 028 4811 (UK only) or +44 (0)115 912 4430 (international) or email info@pet-screen.com

We have produced client literature to explain cancer screening and also waiting room posters. Please contact us if you would like copies of these materials for your clients.

You can also download all our brochures and book your screen on-line at www.pet-screen.com

We look forward to working with you.
This brochure can also be downloaded in PDF format from the PetScreen website at www.pet-screen.com

If you’d like more technical information, please contact:

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