

Diagnostic Imaging & Staging Tool for Prostate Cancer

Ga-68 PSMA-11

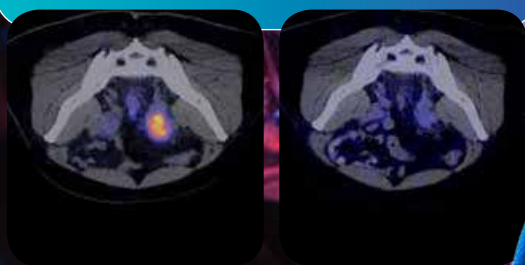
SUMMARY

Ga-68 labelled PSMA-11 is a Prostate Specific Membrane Antigen for the diagnosis and staging of Prostate Cancer.

Necsa has developed a PSMA-11 cold kit for radiolabelling with Ga-68. The kit is based on the gold standard concept of "shake and shoot" preparation that facilitates a one-step "instant" radiolabelling. This is achieved by extensive optimization of both the radiosynthesis parameters and the kit formulation.

DIAGNOSTIC PROCEDURE

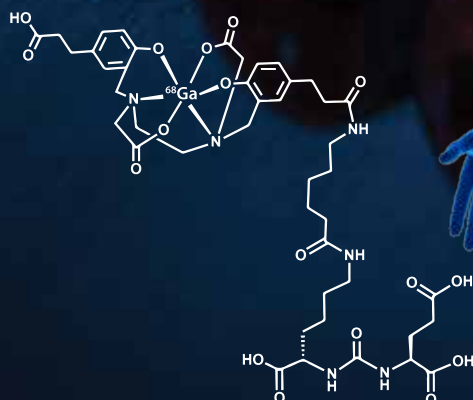
PET based diagnostic procedure is carried out after the intravenous administration of the product. This procedure is non-invasive and requires minimal scanning time after administration. PET is a more advanced technique compared to SPECT with higher resolution and more detailed information.



PRODUCTION PROCESS

Critical steps in the kit production include validated sterile filtration, aseptic dispensing and freeze drying.

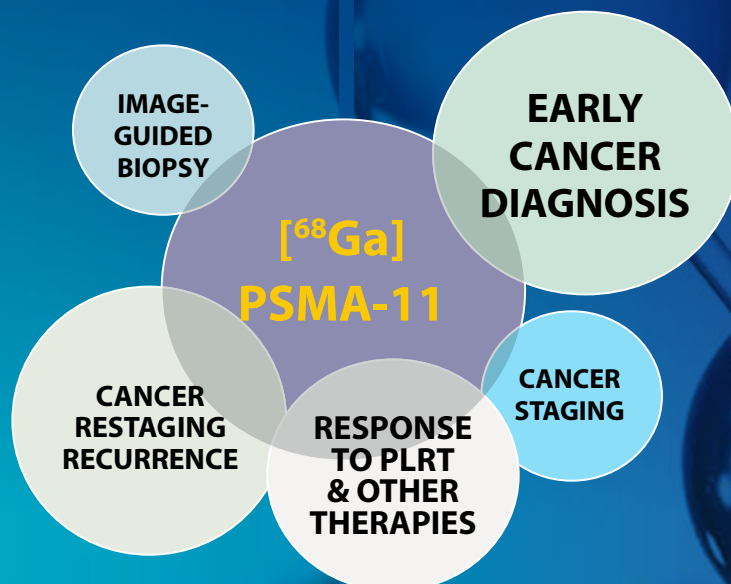
The kit is compatible with major generators on the market namely iThemba Labs using a 0.6M Hydrochloric acid eluent at a pH of 4.5 to achieve radiolabelling efficiencies greater than 98 %.



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BENEFITS OF NUCLEAR IMAGING OF PROSTATE CANCER WITH Ga-68 PSMA-11



TREATMENT MONITORING USING ⁶⁸Ga-PSMA-11-PET

