Selected ALDEFLUOR™ References
Cancer Research and Oncology

FIGURE 1: Over 150 publications have used ALDEFLUOR™ to detect ALDH⁺ precursor cells in the following tissue types.

- Brain
- Head and Neck
- Thyroid Gland
- Lung
- Breast
- Liver
- Pancreas
- Kidney
- Colon
- Bone Marrow
- Bladder, Prostate, Ovaries, Cervix
The ALDEFLUOR™ fluorescent reagent system has been used in over 150 publications for the non-toxic detection of Aldehyde Dehydrogenase bright (ALDHbr) cells in hematopoietic, breast, neural, colon, lung, pancreas, thyroid and other tissues.

Growing evidence indicates that malignant precursor cells in certain tissues may be ALDHbr. The following list, sorted by tissue type, comprises selected recent publications in oncology and cancer research where ALDEFLUOR™ has been used to detect cancer cells.

### Selected Publications

#### Cancer Stem Cells: Review Articles


#### Hematopoietic Cancer Cells


Breast Cancer Cells

15. Buijs JT, et al. The BMP2/7 heterodimer inhibits the human breast cancer stem cell subpopulation and bone metastases formation Oncogene. Sept 2011 (Epub)


Pancreatic Cancer Cells


Head and Neck Cancer Cells

35. Sun S & Wang Z. ALDHhigh adenoid cystic carcinoma cells display cancer stem cell properties and are responsible for mediating metastasis. Biochem Biophys Res Commun 396(4):843-8, 2010


**Brain Cancer Cells**


**Lung Cancer Cells**


**Ovarian Cancer Cells**


**Sarcomas**


**Thyroid Cancer Cells**


**Prostate Cancer Cells**


52. Li T, et al. ALDH1A1 is a marker for malignant prostate stem cells and predictor of prostate cancer patients’ outcome. *Lab Invest* 90(2):234-44, 2010


**Skin Cancer Cells**


**Kidney Cancer Cells**