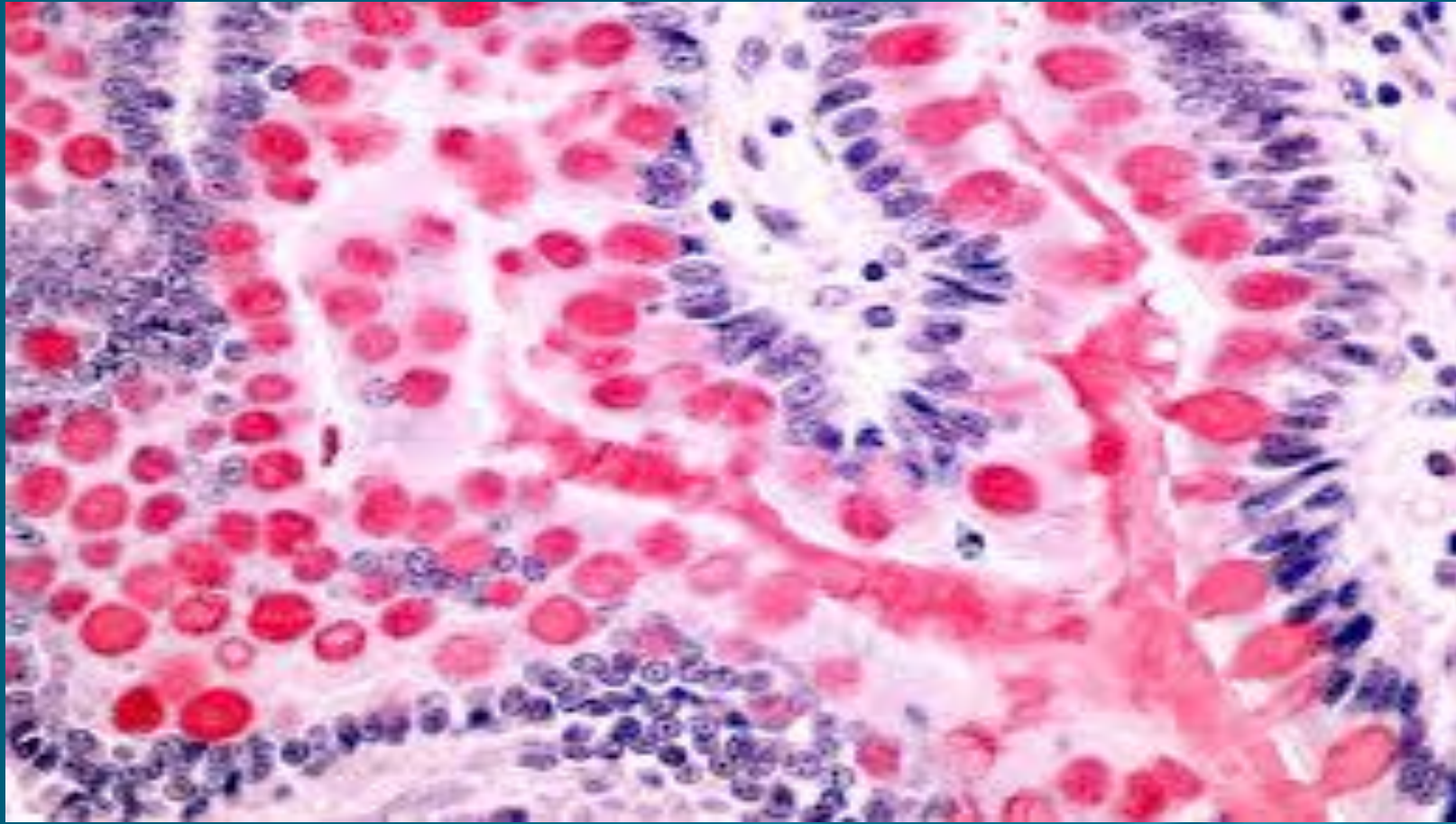


Lecture 3

**Production of high quality
Histological material**

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Basic Principles of Histochemistry

Histochemistry combines the methods of histology with those of chemistry or biochemistry, to reveal the **biochemical composition** of tissues and cells beyond the acid-base distribution shown by standard staining methods (**Hx & E**), without disrupting the normal distribution of the chemicals.

Controlling quality

Labs should have in place

- A clearly understandable labelling and data recording system. With a filing system to manage archive materials in a protected logical order.
- A quality control procedure to ensure issues are raised and investigated.
- Good control of chemicals with regular inventories to control available stocks, batches and expiry dates.
- Regular equipment cleaning and service regime.
- Adequate control of laboratory hazards with findings of risk assessments written into procedures.