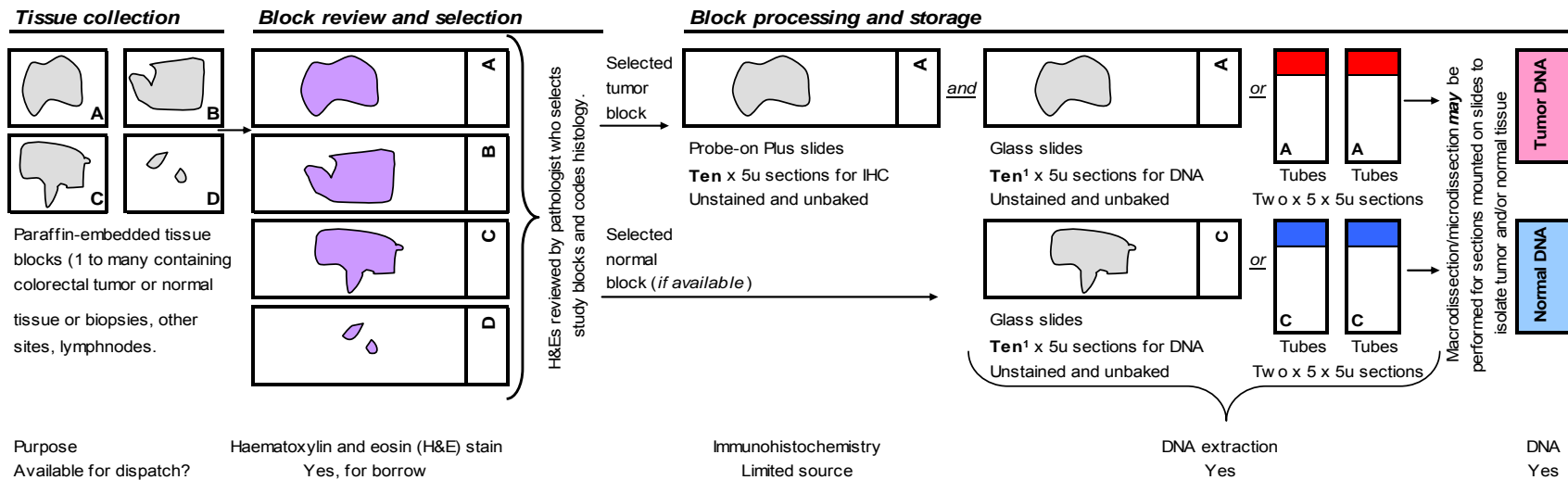


Colorectal Cancer Family Registry (C-CFR) Tissue Collection, Processing, and Storage Flow Diagram



Site-specific collection, processing, aliquotting (when adequate tissue is available):

	Haematoxylin and eosin (H&E) stain	Immunohistochemistry	DNA extraction	DNA?
CFR min. std.	1 H&E per block	Ten 5u sections on Probe-on+ slides	Twenty (total) 5u sections on slides <i>or</i> four x 5 5u sections in tubes	Yes
Hawaii	2 H&Es per block	Ten 5u sections on Probe-on+ slides	20x5u on slides and 10x10x4u sections in tubes (50/50 tumor/normal)	Yes
Mayo	Phase I: 2 H&Es per block	Ten 5u sections on Probe-on+ slides	Ten (total) 10u sections on slides	Yes
FHCRC	Phase I: 1 H&E per block Phase II: 3 H&Es ² per block	Ten 5u sections on Probe-on+ slides	Phase I: Four tubes with 5x5u sections in tubes (2 tumor; 2 normal) Phase II: Twenty 5u sections on slides (10 tumor; 10 normal)	Yes
USC	2 H&Es per block	Ten 5u sections on Probe-on+ slides	Phase I: 26x5u on slides and 4x5u sections in tubes Phase II: Five 5u sections on slides	Yes
Australia	2 H&Es per block	Ten 5u sections on Probe-on+ slides	Twenty (total) 4u sections on slides (10 tumor; 10 normal)	Yes
Ontario	3 H&Es ² per block	Six 5u sections on Probe-on+ slides	Ten 10u sections on slides	Yes

Note:

Ontario: When permitted, Ontario stores a representative block from tumour and normal which can be used for sections for future IHC.

USC: When possible, USC also prepares 2 tumor/normal arrays, 2 tumor-only arrays, and prepares 4 cores per block, which are stored in tubes.

¹ The C-CFR standard for obtaining tissue for DNA was either 20 sections when tumor and normal could be isolated from the same section or 10 tumor block sections plus 10 normal block sections.

² An initial set of H&E slides are prepared. At time to sectioning for IHC and DNA sections a beginning and end H&E slide are prepared.