Pack/unpack sample

This feature is present in ADCI v1.5 or newer

In the event a sample must be moved from one computer to another, multiple components of the sample must be transferred to the destination computer. Sample packing/unpacking provides functionality to simplify this process.

Sample components

- **Saved sample file**
  This file is created when a sample is processed and has extension ".adcisample". By default it is found in the ADCI data directory specified during installation. It contains - among other things - the status (other object, monocentric chromosome, dicentric chromosome) of all objects found within each image in the sample. This file is required when including the sample in calibration curve generation or dose estimation. This is the only sample component necessary to use ADCI if viewing images in the metaphase image viewer is not required.
- **Contour files**
  A component of a processed sample which are necessary to draw the colored outlines around chromosomes seen in the metaphase image viewer. If contour files are not present, images will not appear in the metaphase image viewer.
- **Image files**
  Images which were examined during sample processing. If image files are not present, images will not appear in the metaphase image viewer.

Pack (export) sample

- **Sample ID**
  Cannot be modified. ID of sample to be packed.
- **Description**
  Description of the sample as specified when the sample was created. The description can be modified at this time if desired. When the sample is packed, the description saved within the packed sample will consist of the content found in the description text box here.
- **Contour files status / Metaphase images status**
  If ADCI cannot locate either of these sample components, the status of the missing component is "missing", otherwise it is "found".
- **Pack Sample As Folder**
  Click "Specify Folder" to choose a file-

system location where the packed sample will be saved. A new directory named "[ID of sample]pack" will be automatically created within the chosen directory to house the packed sample.
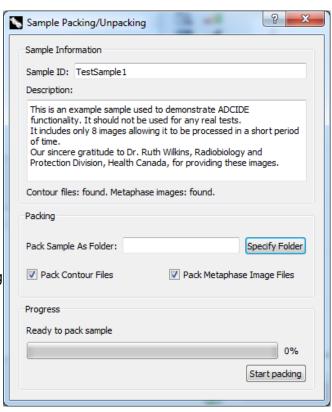
- **Pack Contour Files**
  Specify whether to include contour files in the packed directory. Consult the "Sample components" heading above for more information on this sample component. Contour files are included by default.
- **Pack Metaphase Image Files**
  Specify whether to include metaphase image files in the packed directory. Consult the "Sample components" heading above for more information on this sample component. Metaphase image files are included by default.
- **Progress**
  When the "Start packing" button is clicked, this progress bar will fill as components are copied to the specified directory.

Move packed sample to destination

The packed sample directory must be moved to the destination computer. This can be accomplished simply by moving the directory using a USB stick or other transfer device. It may be desirable to compress (ie: zip) the packed sample before moving it. Note if a packed sample is compressed, ADCI cannot automatically uncompress it after it is moved to the destination computer, it must be uncompressed first before unpacking.

Unpack (import) sample

Sample Packing/Unpacking

Sample Information

Sample ID: TestSample1

Description:

This is an example sample used to demonstrate ADCIDE functionality. It should not be used for any real tests.
It includes only 8 images allowing it to be processed in a short period of time.
Our sincere gratitude to Dr. Ruth Wilkins, Radiobiology and Protection Division, Health Canada, for providing these images.

Contour files: found. Metaphase images: found.

Unpacking

Unpack Sample and Save As File: nix/ADCIDE/unpackedtestsample.adcisample   [Specify File]

☑ Unpack Contour Files and Copy to ADCI Data Folder

[Unpack metaphase images and copy to specified fc ▼] :Samples/TestSample1 [Specify Folder]

Progress

Ready to unpack sample

[   ] 0%

[Start Unpacking]