

```

macro "convert IDS stack to BMP GBR" {

    ext = "IDS"; // this variable controls the extension of source files

    requires("1.39u");
    inDir = getDirectory("Choose Directory Containing " + ext + " Files
");
    outDir = getDirectory("Choose Directory for BMP Output ");
    setBatchMode(true);
    processFiles(inDir, outDir);
    print("-- Done --");

    function processFiles(inDir, outDir) {
        print("-- Processing folder --");
        list = getFileList(inDir);
        for (i=0; i<list.length; i++) {
            path = list[i];
            upath = toUpperCase(path);
            if (endsWith(upath, "." + ext)) {
                print("-- Processing file: " + path + " --");

                run("Bio-Formats Importer", "open='" + inDir + path + "'
custom_colorize view=Hyperstack stack_order=XYCZT
series_0_channel_0_red=0 series_0_channel_0_green=0
series_0_channel_0_blue=255 series_0_channel_1_red=0
series_0_channel_1_green=255 series_0_channel_1_blue=0
series_0_channel_2_red=255 series_0_channel_2_green=0
series_0_channel_2_blue=0 series_0_channel_3_red=255
series_0_channel_3_green=255 series_0_channel_3_blue=255");
                run("Split Channels");
                setMinAndMax(0, 4096);
                selectWindow("C3-" + path);
                setMinAndMax(0, 4096);
                selectWindow("C2-" + path);
                setMinAndMax(0, 4096);
                selectWindow("C1-" + path);
                setMinAndMax(0, 4096);
                run("Merge Channels...", "red=C3-" + path + " green=C1-" + path
+ " blue=C2-" + path + " create");
                run("Make Composite");
                run("Stack to RGB", "slices");
                run("Z Project...", "start=1 stop=50 projection=[Max
Intensity]");

                outFile = path + ".bmp";
                saveAs("bmp", outDir + outFile);
                close();
                close();
            }
        }
    }
}

```